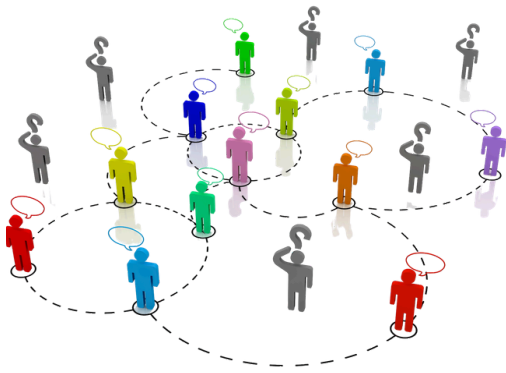




WHY PUBLIC HEALTH GIS RESEARCH:

1. Health-related behaviors & policies/laws vary across communities and states.
2. Access to healthcare vary across geopolitical borders. Measuring these differences is important to improving access for all.
3. Health outcomes result from joint effects of individuals and neighborhood characteristics.
4. Disease rates in areas of small population are unreliable. Researchers can use GIS and statistical analyses to manage this challenge.
5. Defining a scientific geographic unit for health care market is critical for researchers, practitioners, and policy makers to evaluate and tailor health care.
6. It is important to plan the location of new health care resources to maximum equality in access.

Public Health GIS Research merges the fields of population health, medicine, epidemiology, and geography. Investigating human health and disease through a geospatial lens better equips those working in health promotion to meet the needs of communities. It provides a broad introduction into using spatial analysis to better understand the underlying factors that contribute to health and disease.



PUBLIC HEALTH GIS RESEARCH CONTACT INFORMATION

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B.S. in Public Health

GIS Research concentration



Students also complete a 120-hour internship in a health-related community setting. Past internship sites have included:

- County Extension Offices
- Health Departments
- Hospitals
- Insurance Companies
- Non-profit organizations
- Parks & Recreation offices
- Universities
- Government Agencies



The Public Health GIS Research concentration provides students with the knowledge and skills to work in community-based settings. Courses are designed with hands-on learning in mind. Students participate in projects where they are meeting a real community's health needs. Students complete courses dedicated to:

- Foundations in Public Health
- Health Research
- Needs Assessment
- Epidemiology
- Public Health Data Analysis
- Introduction to Geography
- Public Health Policy & Ethics
- Urban Geography
- Program Funding & Administration
- Geospatial Methods
- Global Environmental Health

(Program requirements will vary based on academic catalog)

EMPLOYMENT OPPORTUNITIES

Program graduates work to understand how human health is impacted by natural and man-made geographical influences. Employment opportunities are available in non-profit, government, healthcare, and business sectors. Some graduates seek additional training in various advanced degree programs. Public Health GIS Research-related careers:

- Epidemiologist
- Research Study Coordinator
- Sanitarian
- Infectious Disease Researcher
- Vaccine Researcher
- Biodefense Researcher
- Climate Change Researcher
- Monitoring & Evaluation Specialist
- Disaster Preparedness Researcher
- Disease Ecologist
- Environmental Engineer
- Toxicologist

